

PUBLIC NOTICE

APPLICANT: TDOT

505 Deadrick Street
Suite 900 James K Polk Bldg.
Nashville, TN 37243-0339
(615) 253-2477

PERMIT APPLICATION: NRS #06.166

LOCATION:

Bridge and Approaches over Little Cypress Creek, Log Mile 0.53
Site Lat. 35.3235° Long. -89.5161°
Longtown Road, Mason
Fayette County

WATERSHED DESCRIPTION: The project is located in the Loosahatchie (HUC 08010209) watershed. Land use surrounding the project area is agricultural. The streams have soil and gravel substrate with hardwood canopy. Three streams, Little Cypress Creek, two unnamed tributaries to Little Cypress, and wetlands will be impacted by the proposed road project. Little Cypress Creek has been assessed as impaired for low dissolved oxygen and physical substrate habitat alterations due to agricultural practices and channelization. All of the streams on the project have been previously channelized. The wetland is a hardwood bottomland forest adjacent to Little Cypress Creek and its tributaries, extending well beyond the right of way boundary and located on both sides of the Longtown Road. USGS TOPO QUAD: Gallaway (415-SE)

PROJECT DESCRIPTION: This application is for aquatic resource alterations along a 0.068-mile segment of Longtown Road. Proposed is the replacement of the existing bridge over Little Cypress Creek, relocation of an unnamed tributary and bank stabilization for another unnamed tributary.

Proposed for Little Cypress Creek, Station 15+28.75, Stream 1, is the replacement of the existing concrete bridge with a 71ft x 25ft single span concrete girder bridge with 50ft of riprap armoring of the streambed and bank under the bridge.

Proposed for Stream 2, Station 15+75+/- (Lt) to Station 16+10+/- (Lt), an unnamed tributary, is a relocation of the stream from the existing 34.5ft channel into a 36.5ft channel. The stream banks will be stabilized and re-vegetated.

Proposed for Stream 3, Station 15+50+/- (Rt) to Station 16+05+/- (Rt), an unnamed tributary, is 55ft of riprap for the west (right descending) bank for bank stabilization.

The wetlands are to have permanent and temporary impacts, Station 13+75+/- to Station 14+90+/- left and right. Fill material is to be placed in 0.0036 acres of wetland. Proposed for the total permanent wetland impacts of 0.0036 acres, is mitigation in the Wolf River Wetland Mitigation Bank at a 2:1 ratio, totaling 0.01 acres. For the 0.0849 acres of temporary wetland impacts is the restoration of the wetland to preconstruction contours and planting of trees

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

PERMIT COORDINATOR: Judy Manners

Project: Fayette Co. Bridge replacement over Little Cypress Creek, Longtown Road.
Pin #: 100644.00, **P.E. #:** 24945-1480-94, **Date of field study:** 29 March 2005



Photo 1: Fayette County, standing on Longtown Road bridge over Little Cypress Creek (S1) looking upstream (east).



Photo 2: Fayette County, standing on Longtown Road bridge over Little Cypress Creek (S1) looking downstream (west).

Project: Fayette Co. Bridge replacement over Little Cypress Creek, Longtown Road.
Pin #: 100644.00, **P.E. #:** 24945-1480-94, **Date of field study:** 29 March 2005



Photo 3: Fayette County, standing in intermittent stream (S2) in the northwest quadrant of project looking up stream (west).



Photo 4: Fayette County, standing adjacent to intermittent stream (S3) in the northeast quadrant of project looking upstream (north).

Project: Fayette Co. Bridge replacement over Little Cypress Creek, Longtown Road.
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Photo 5: Fayette County, standing in wet weather conveyance (WWC1) in the northwest quadrant of project looking down stream (south).



Photo 6: Fayette County, standing looking southeast across Wetland 1 (W1).

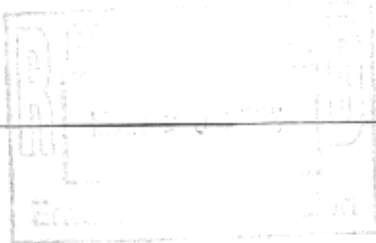
Project: Fayette Co. Bridge replacement over Little Cypress Creek, Longtown Road.
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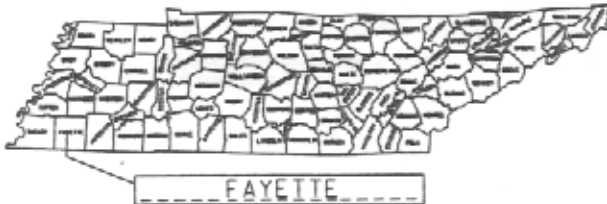
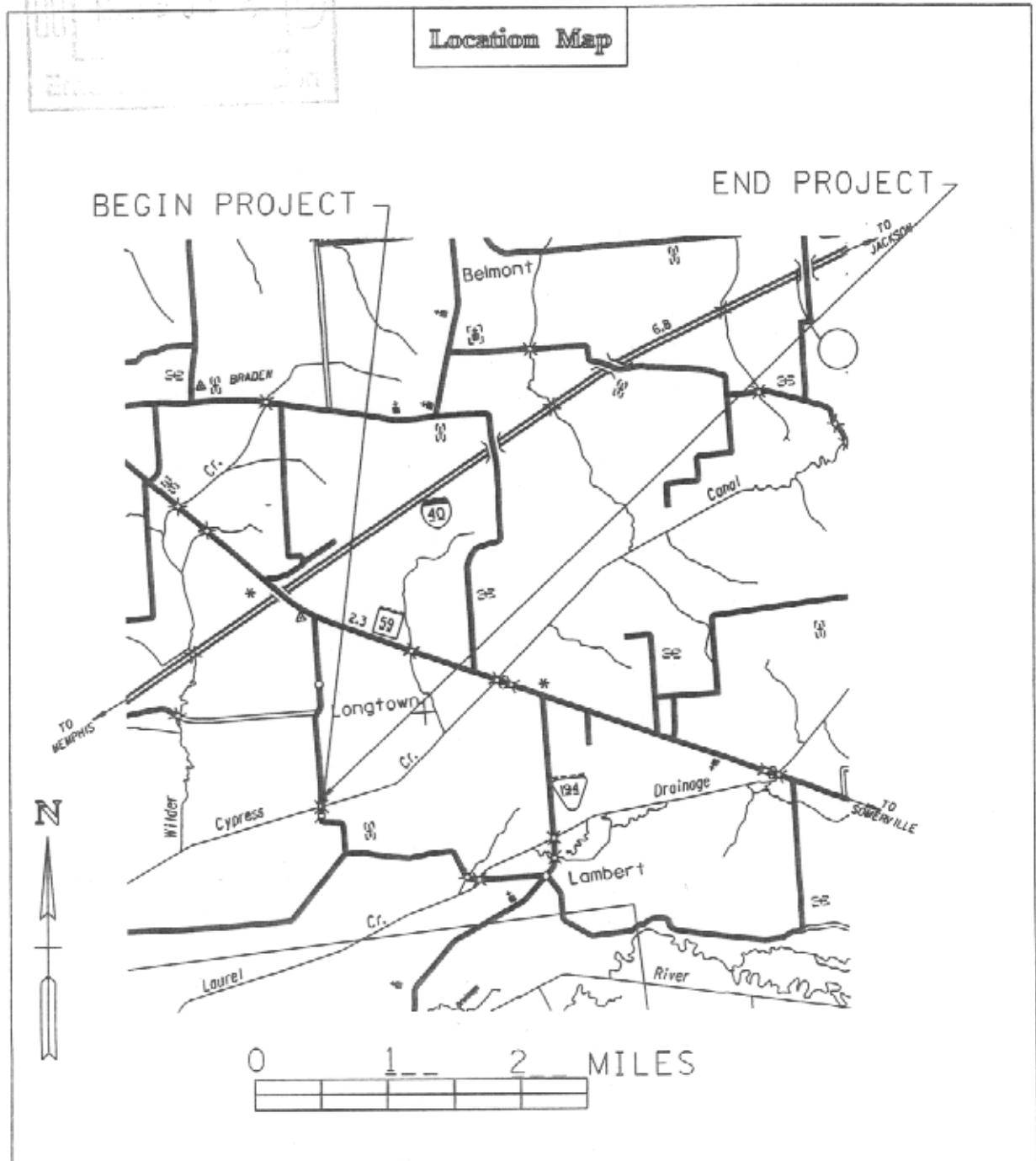
Photo 7: Fayette County, standing on Longtown Road looking (south) at Wetland 2 (W2) located in the southwest quadrant of project.



Photo 8: Fayette County, standing on Longtown Road looking (south) at Wetland 3 (W3) located in the southeast quadrant of project.



Location Map



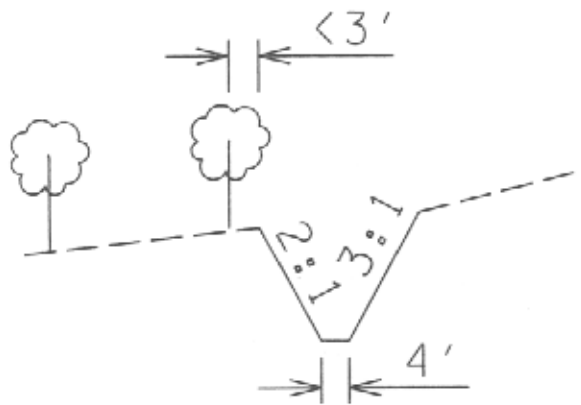
APPLICATION BY:
TENNESSEE DEPARTMENT OF TRANSPORTATION
PE # 24945-1480-94
LONGTOWN RD.
BRIDGE AND APPROACHES OVER
LITTLE CYPRESS CREEK & L.M. Q. 53
NEAR THE TOWN OF BRADEN

DATE: __/__/__

REVISED: __/__/__

SHEET 1 OF 3

Permit Sketch

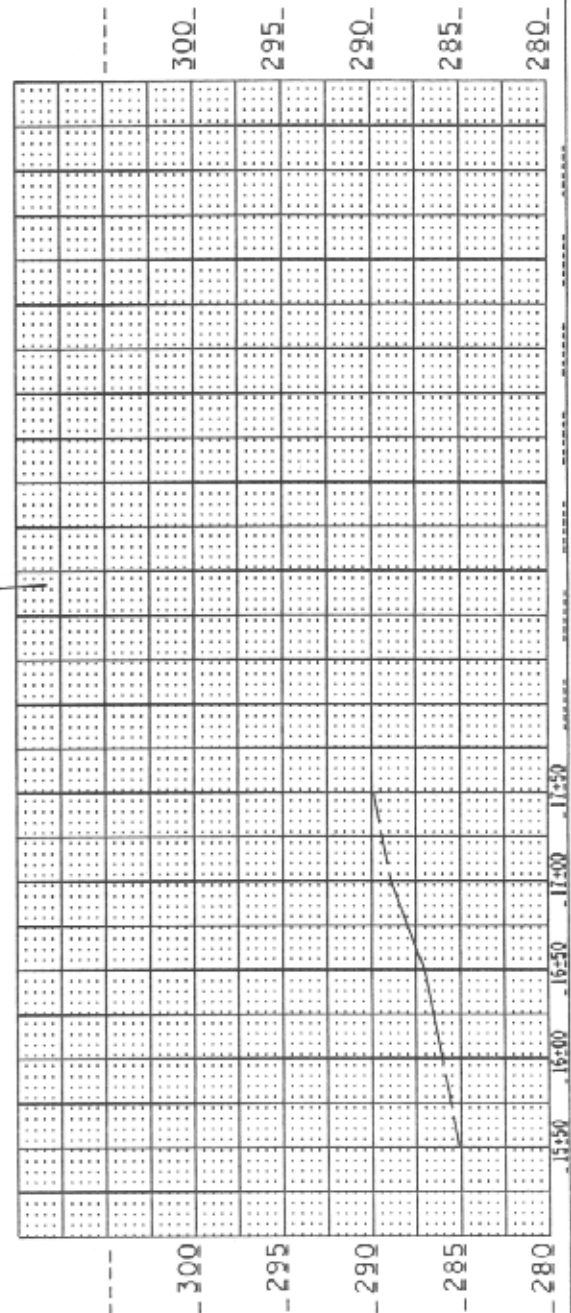


PROPOSED SECTION A-A



EXISTING SECTION A-A

SECTION B-B



APPLICATION BY:
 TENNESSEE DEPARTMENT OF TRANSPORTATION
 PROJECT No. 24945-1480-94
 LONGTOWN RD.
 BRIDGE AND APPROACHES OVER
 LITTLE CYPRESS CREEK @ L.M. 0.53
 NEAR THE TOWN OF BRADEN

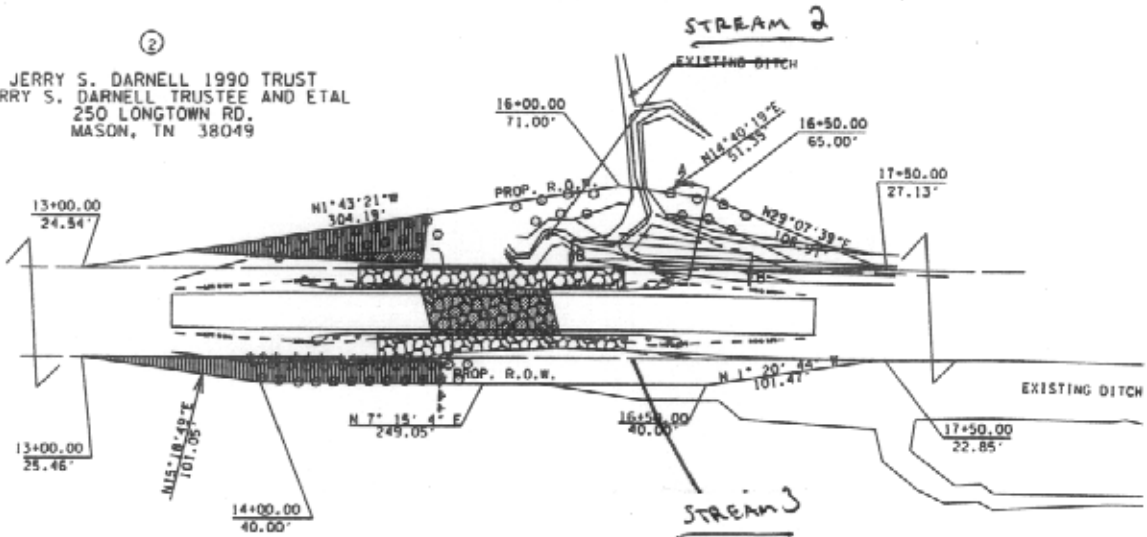
DATE: __/__/__

REVISED: __/__/__

SHEET 2 OF 3

Permit Sketch

②
JERRY S. DARNELL 1990 TRUST
JERRY S. DARNELL TRUSTEE AND ETAL
250 LONGTOWN RD.
MASON, TN 38049



EXISTING CHANNEL 102'
PROPOSED CHANNEL 120'

TREE SPECIES FOR TEMP. WETLANDS IMPACTS
ULMAS AMERICANA 18"-24" HT. BR
CARYA LACINIOSA 18"-24" HT. BR
ACER NEGUNDO 18"-24" HT. BR
FRAXINUS PENNSYLVANICA 18"-24" HT. BR
BETULA NIGRA 18"-24" HT. BR

HT: HEIGHT, BR: BARE ROOT



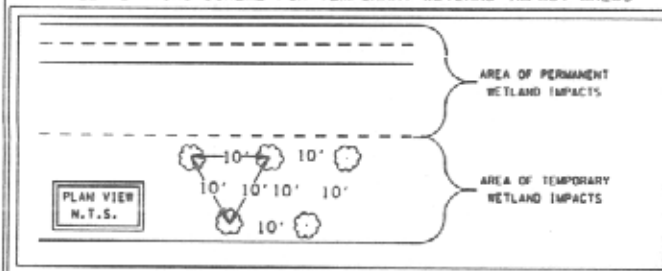
PERMANENT WETLAND IMPACT



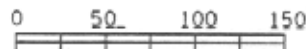
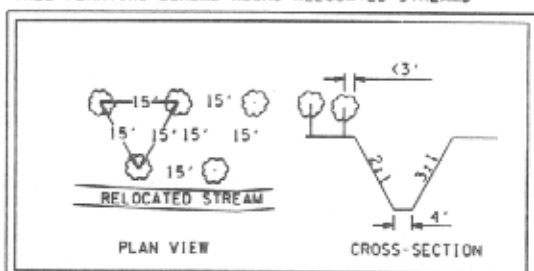
TEMPORARY WETLAND IMPACT

TREE SPECIES FOR RELOCATED STREAM
ULMAS AMERICANA, 1 1/4" - 1 1/2" CAL. B&B
PLATANUS OCCIDENTALIS, 1 1/4" - 1 1/2" CAL. B&B
LIQUIDAMBAR STYRACIFLUA, 1 1/4" - 1 1/2" CAL. B&B
ACER NEGUNDO, 1 1/4" - 1 1/2" CAL. B&B
QUERCUS FALCATA, 1 1/4" - 1 1/2" CAL. B&B

TREE PLANTING SCHEME FOR TEMPORARY WETLAND IMPACT AREAS



TREE PLANTING SCHEME ALONG RELOCATED STREAMS



WETLAND IMPACTS	
AREA OF PERMANENT IMPACT	0.0036 AC.
AREA OF TEMPORARY IMPACT	0.0849 AC.

APPLICATION BY:

TENNESSEE DEPARTMENT OF TRANSPORTATION
PROJECT No. 24945-148Q-94
LONGTOWN RD.
BRIDGE AND APPROACHES OVER
LITTLE CYPRESS CREEK Q.L.M. Q.53
NEAR THE TOWN OF BRADEN

DATE: __/__/__

REVISED: __/__/__

SHEET 3 OF 3

N 379439.00
E 919892.57

STA. 13+50.00 LONGTOWN RD.
N 379081.5390
E 919846.3110

10+00

TREE SPECIES

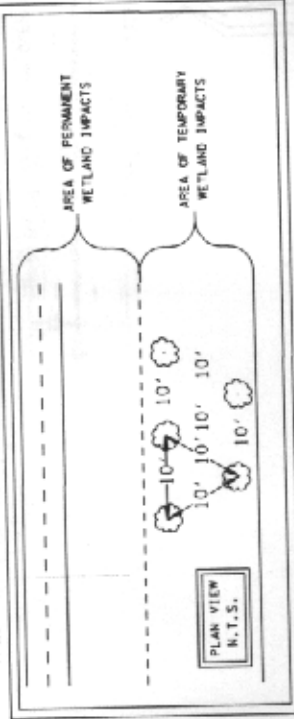
TEMP. WETLANDS IMPACTS
ULMAS AMERICANA 18'-24" HT. BR
CARYA LACINIOSA 18'-24" HT. BR
ACER NEGUNDO 18'-24" HT. BR
FRAXINUS PENNSYLVANICA 18'-24" HT. BR
BETULA NIGRA 18'-24" HT. BR

HT= HEIGHT. BR= BARE ROOT

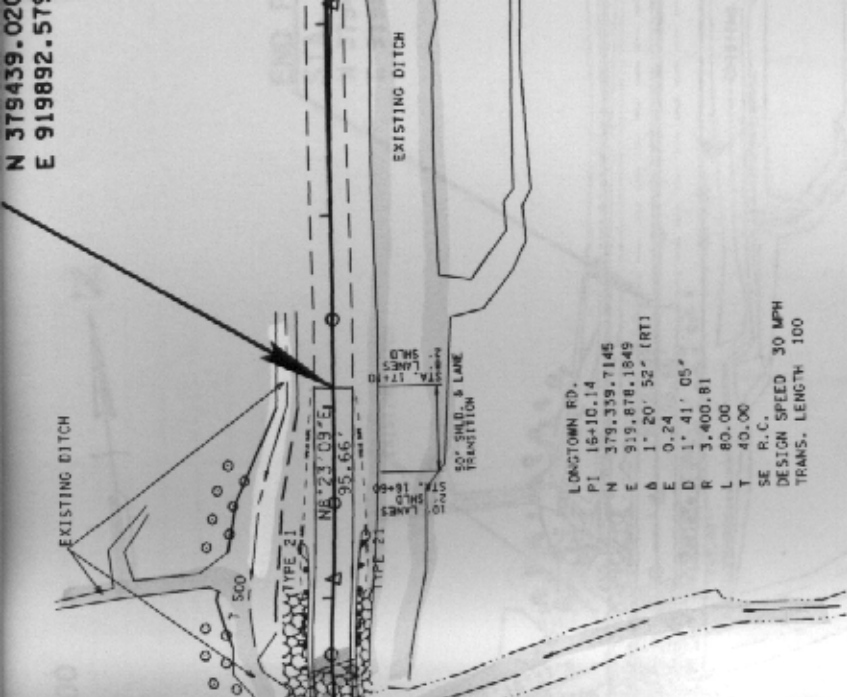
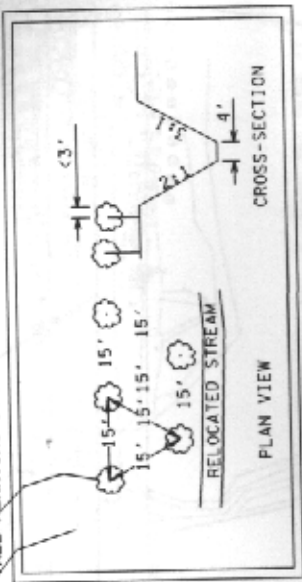
PROPOSED 71' 1 SPAN, 75° SKEW RT.
CONCRETE GIRDER BRIDGE
BEGIN 14+93.25+
END 15+64.25+

RELOCATED STREAM
ULMAS AMERICANA, 1 1/2" - 1 1/2" CAL. B&B
PLATANUS OCCIDENTALIS, 1 1/2" - 1 1/2" CAL. B&B
LIQUIDAMBAR STYRACIFLUA, 1 1/2" - 1 1/2" CAL. B&B
ACER NEGUNDO, 1 1/2" - 1 1/2" CAL. B&B
QUERCUS FALCATA, 1 1/2" - 1 1/2" CAL. B&B

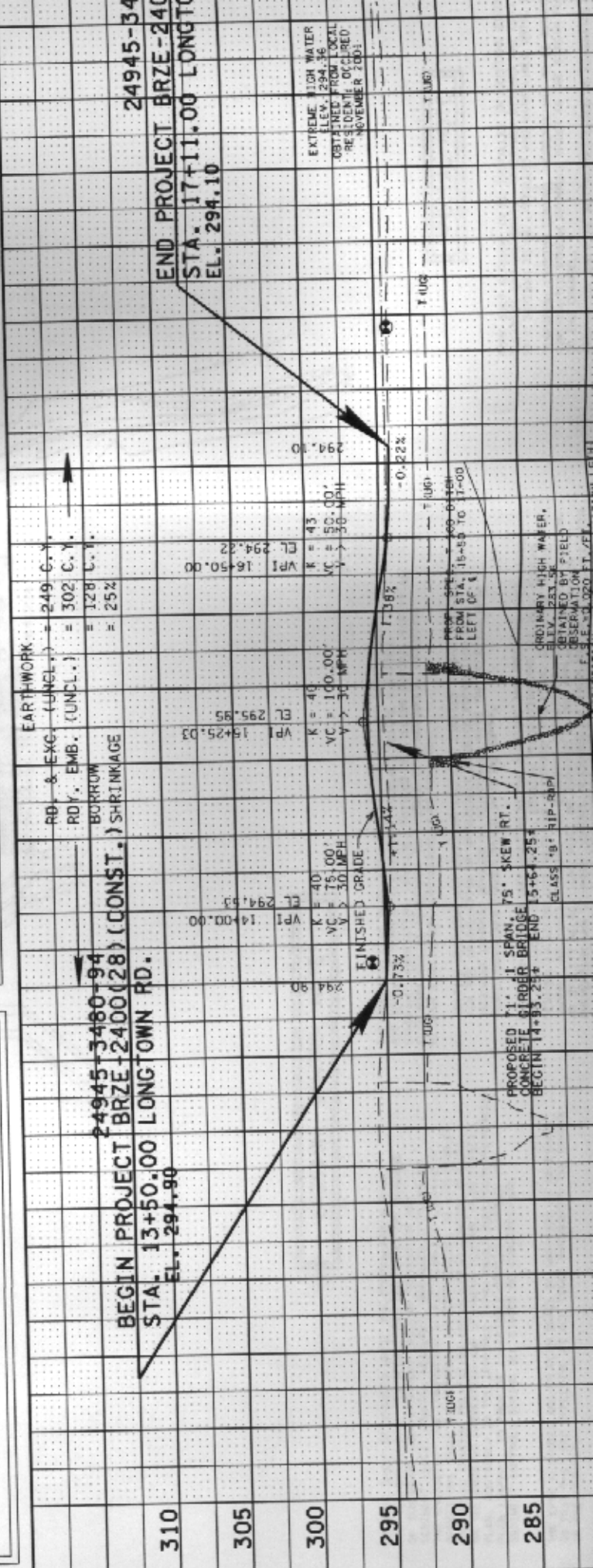
TREE PLANTING SCHEME FOR TEMPORARY WETLAND IMPACT AREAS



TREE PLANTING SCHEME ALONG RELOCATED STREAMS



LONGTOWN RD.
P1 16+10.14
N 379.339.7145
E 919.878.1849
A 1° 20' 52" (RT)
E 0.24
D 1° 41' 05"
R 3,400.81
L 80.00
T 40.00
SE R.C.
DESIGN SPEED 30 MPH
TRANS. LENGTH 100



24945-3480-94
BEGIN PROJECT BRZE-2400(28) (CONST.) SHRINKAGE
STA. 13+50.00 LONGTOWN RD.
EL. 294.90

24945-3480-94
END PROJECT BRZE-2400(28) (CONST.) SHRINKAGE
STA. 17+11.00 LONGTOWN RD.
EL. 294.10

EXTREME HIGH WATER
ELEV. 294.90
OBTAINED FROM LOCAL
RECORDS FOR NOVEMBER 2001

PROPOSED 11' 1 SPAN, 75° SKEW RT.
CONCRETE GIRDER BRIDGE
BEGIN 14+93.25+
END 15+64.25+

②

JERRY S. DARNELL 1990 TRUST
JERRY S. DARNELL TRUSTEE AND ETAL
250 LONGTOWN RD.
MASON, TN 38049

10+00

15+00



BEGIN PROJECT BR7E-2400(28) (R.O.W.)

STA: 13+00-00 LONGTOWN RD.

N 379056.7270

E 919843.2580

THE CONTRACTOR WILL PROTECT THE WETLAND AREAS LOCATED BEYOND THE LIMITS OF THE FILL SLOPE AND PROPOSED R.O.W.

R.O.W. NOTES

IT IS INTENDED THAT ALL BUILDINGS AND/OR PORTIONS OF BUILDINGS THAT ARE WITHIN THE PROPOSED RIGHT-OF-WAY AND/OR EXISTENT LINES FOR THE PROJECT BE REMOVED FROM THE PROPOSED RIGHT-OF-WAY ACQUISITION. IF ANY SUCH BUILDINGS OR PORTIONS ARE NOT REMOVED IN THE COURSE OF THE RIGHT-OF-WAY ACQUISITION, THE CIVIL ENGINEERING MANAGER 2, DESIGN DIVISION AND CIVIL ENGINEERING MANAGER 1, REGIONAL DESIGN OFFICE, ARE TO BE ADVISED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS PART OF THE CONSTRUCTION CONTRACT.

ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS". THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, STANDARD DRAWING RB-R-1, AND OTHER ACCEPTED DESIGN AND CONSTRUCTION STANDARDS.

EXISTING PAVED DRIVEWAY PER TRACT REMAINDER WILL BE REPLACED IN KIND TO A TOUCHDOWN POINT.

WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY EXCEEDS 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED TO A TOUCH-DOWN POINT OR UNTIL THE GRADE IS LESS THAN PERCENT.

WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY IS LESS THAN 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED A SHOULDER WIDTH FROM THE EDGE OF PAVEMENT AND THE REMAINDER OF THAT DRIVEWAY REPLACED IN KIND TO A TOUCH-DOWN POINT.

ANY NECESSARY PAVING OF DRIVEWAYS WILL BE DONE DURING PAVING OPERATIONS ON THE MAIN ROADWAY.

POT 10+00.00

61.50+11 3d

5-2

1-5

1000

woods

PROPOSED 71' 1" SPAN, 75' SKEW RT.
CONCRETE GIRDER BRIDGE
88.00' STA. 4+93.25+
END STA. 15+
14+00.00
40.00'

EXISTING BRIDGE TO BE REMOVED
3 PRECAST CONCRETE CHANNEL
SLAB SECTIONS

WILLIAM WIGGINS WILDER FAMILY
PARTNERS L.P.
250 LONGTOWN RD.
MASON, TN 38049

LONGTOWN RD.
PPI 16+10.14
N 379.339.1
E 919.878.1
Δ 1' 20' 53"
E 0.24
D 1' 41' 05"
R 3,400.B1
L 80.00
T 40.00
SE R.C.
DESIGN SPEED
TRANS. LEGIT

POINT
CD-SKY

NORTHING
379111.53

EASTIN
919837.

R.O.W. ACQUISITION TAX

TOTAL AREA
(ACRES)

COUNTY RECORDS

PROPERTY INDEXES

ABSTRACT

TOTAL